

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10015 - L2 Version 2
Chandra X-Ray Center

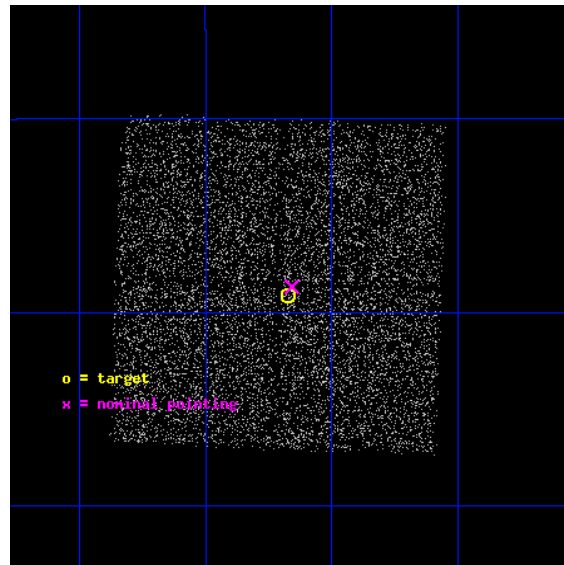
L2 Processing Date : Jun 1 2012

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1 Front

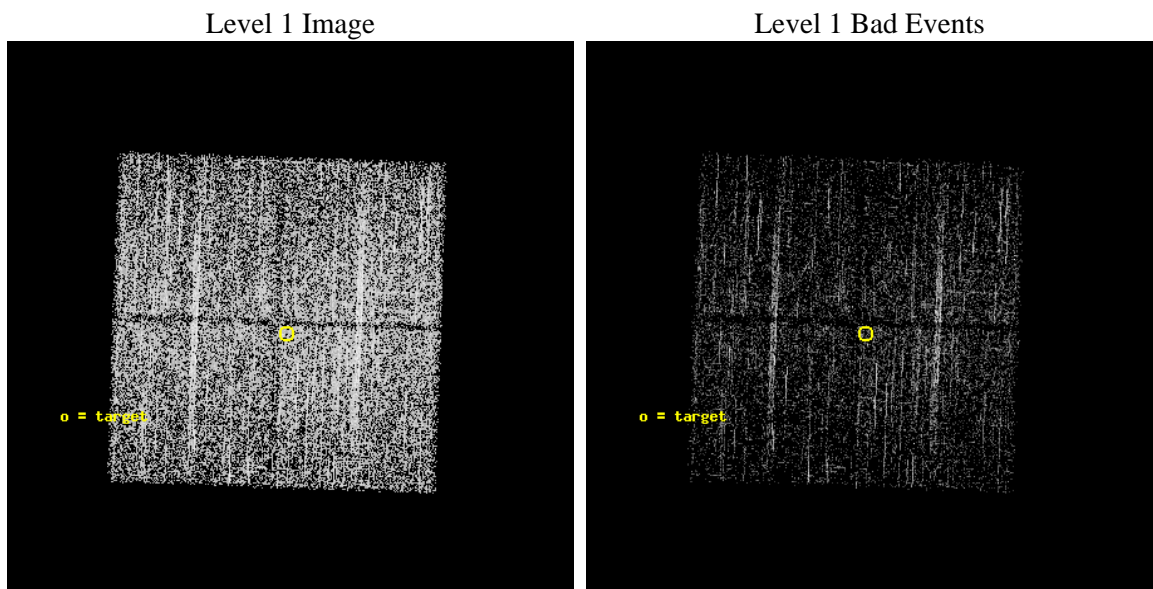
seq_num	400979	Sequence number
obs_id	10015	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS6-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.292708	Observer's specified target RA [deg]
dec_targ	-28.319083	Observer's specified target Dec [deg]
ra_nom	264.289588587	Nominal RA [deg]
dec_nom	-28.311375113411	Nominal Dec [deg]
roll_nom	92.039108484949	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10140	Number of level 2 events



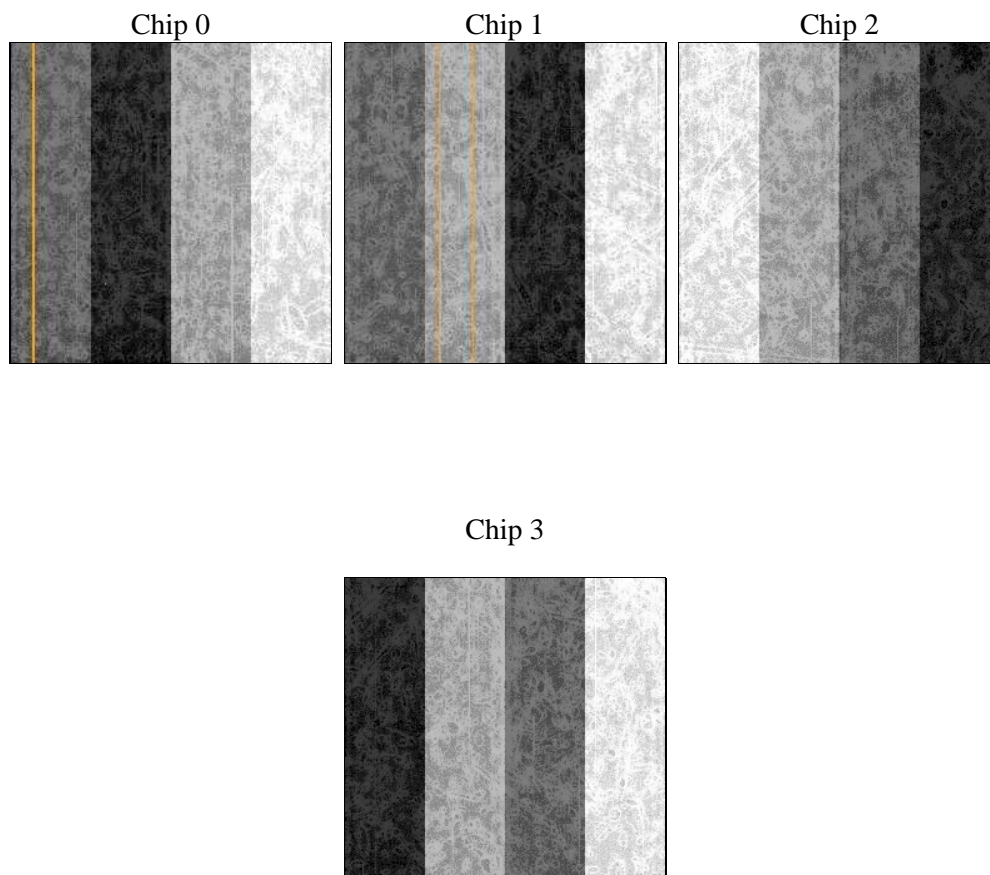
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T05:56:52	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	99361	Number of level 1 events

2.1.4 Events

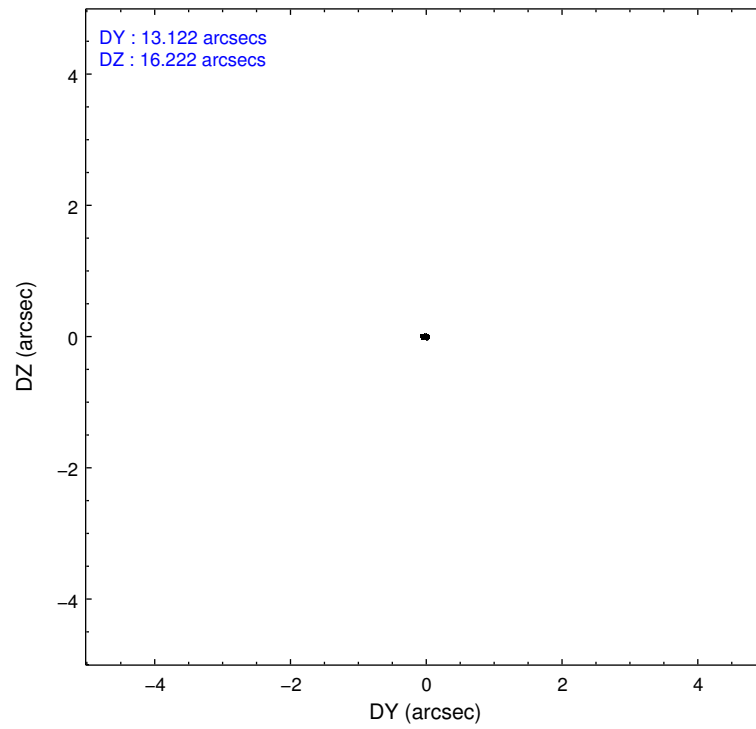
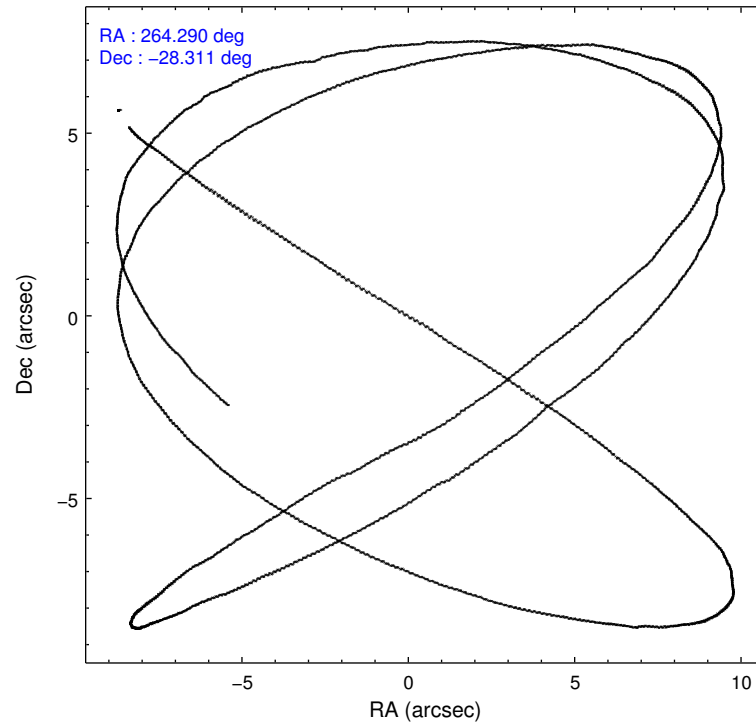
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23987	23282	25814	26278
rejected events	21115	20258	22748	23365
rejected %	88%	87%	88%	88%

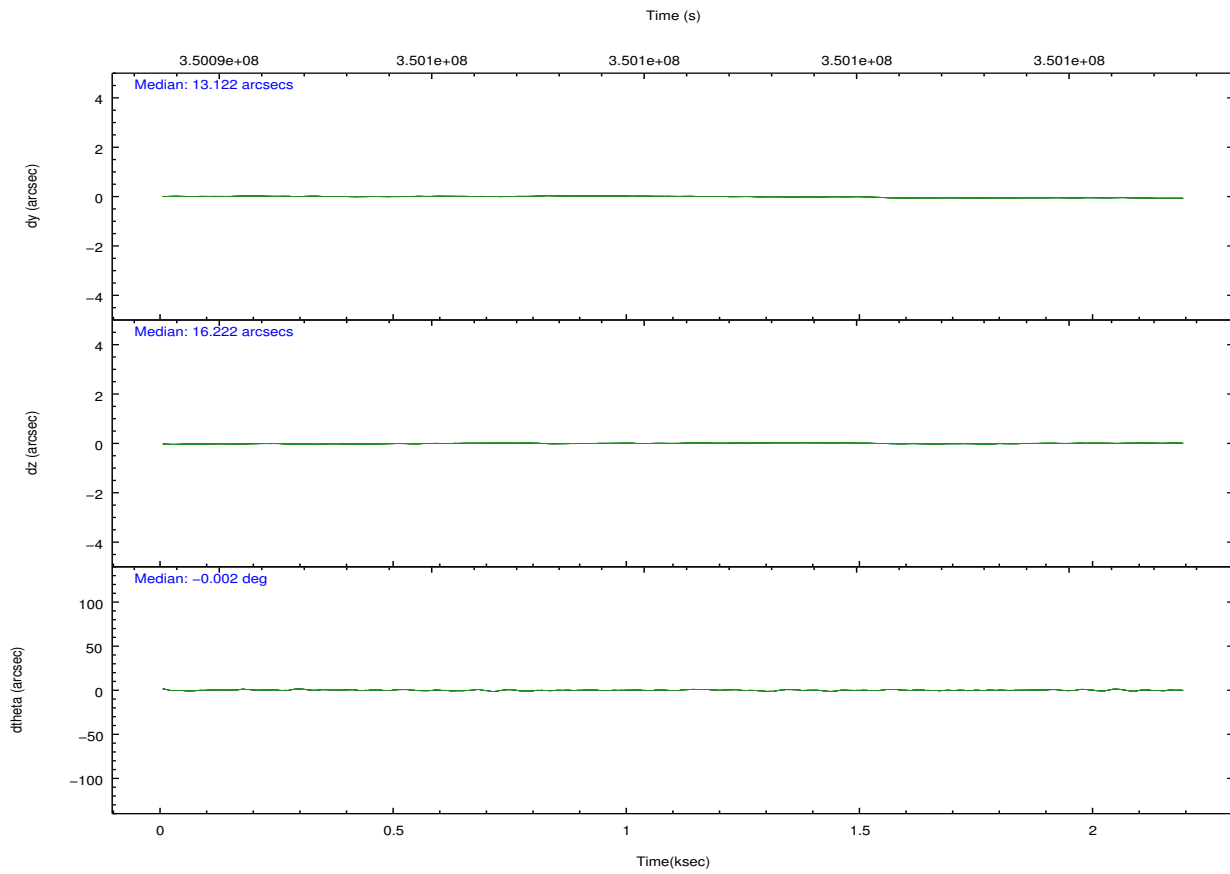
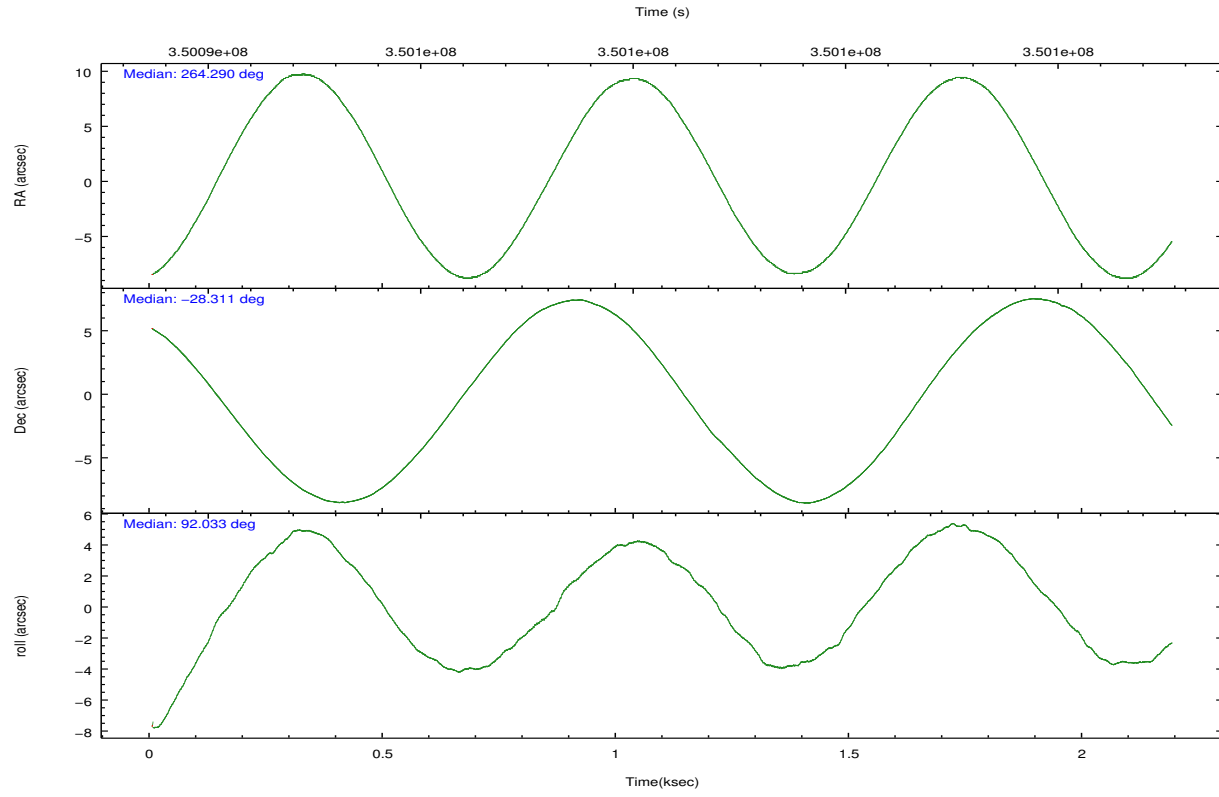
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1441	1410	1607	1557
	6%	6%	6%	5%
grade 1 events	16	15	19	19
	0%	0%	0%	0%
grade 2 events	715	796	743	647
	2%	3%	2%	2%
grade 3 events	306	350	293	306
	1%	1%	1%	1%
grade 4 events	279	332	324	264
	1%	1%	1%	1%
grade 5 events	1071	1176	1030	1257
	4%	5%	3%	4%
grade 6 events	574	641	522	584
	2%	2%	2%	2%
grade 7 events	19585	18562	21276	21644
	81%	79%	82%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.306348	264.2895885869983	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.334697	-28.31137511341142	Alternating exposures requested	N	N
[deg] Pointing Roll	91.838394	92.03910848494867	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	350094658.184000	350094282.53066			
Observation start date	2009-02-04T00:29:52	2009-02-04T00:24:42			
[s] Observation end time (MET)	350096658.184000	350096792.24328			
Observation end date	2009-02-04T01:03:12	2009-02-04T01:06:32			
Read mode	TIMED	TIMED			

2.3 Aspect



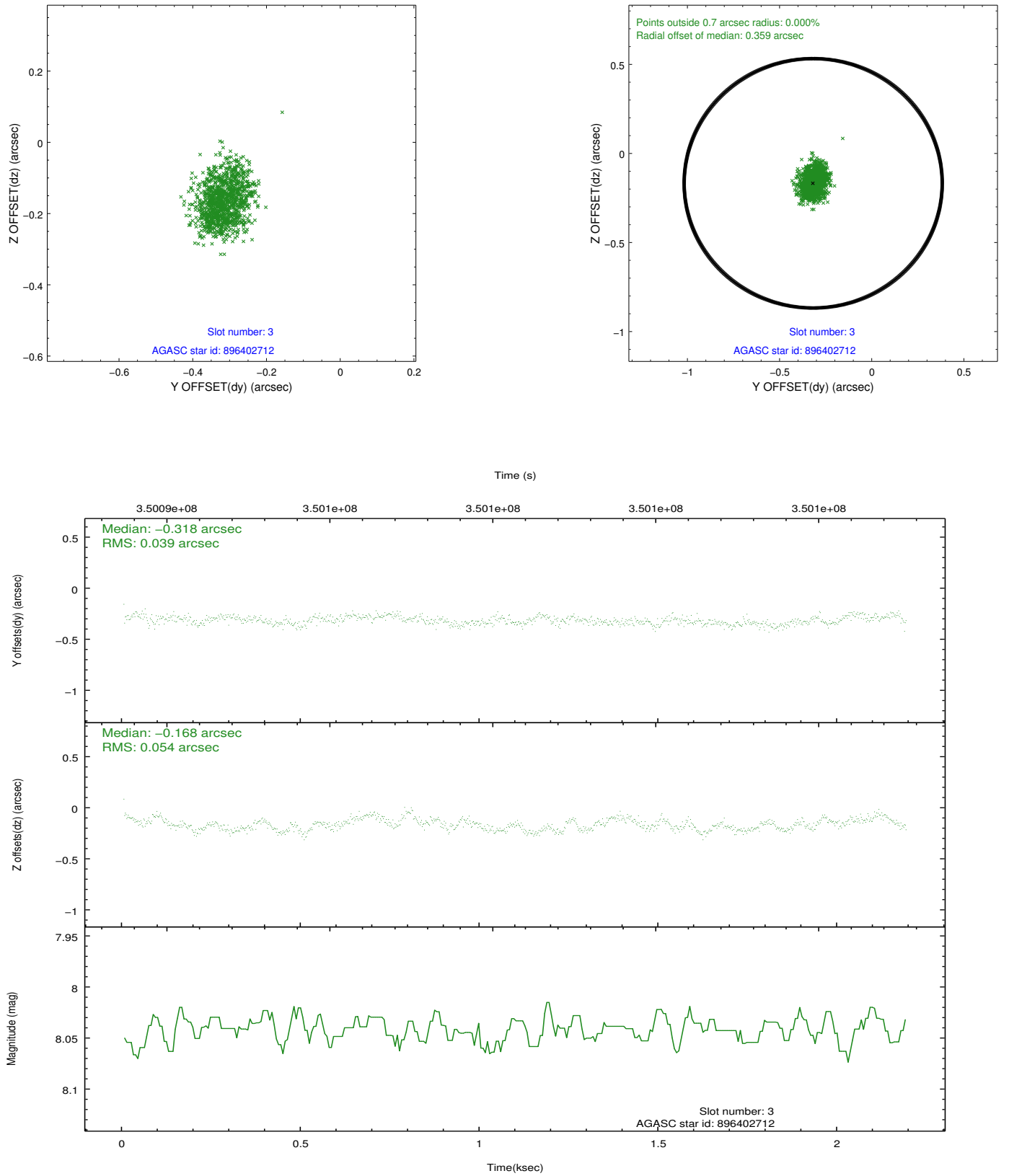


Slot Statistics

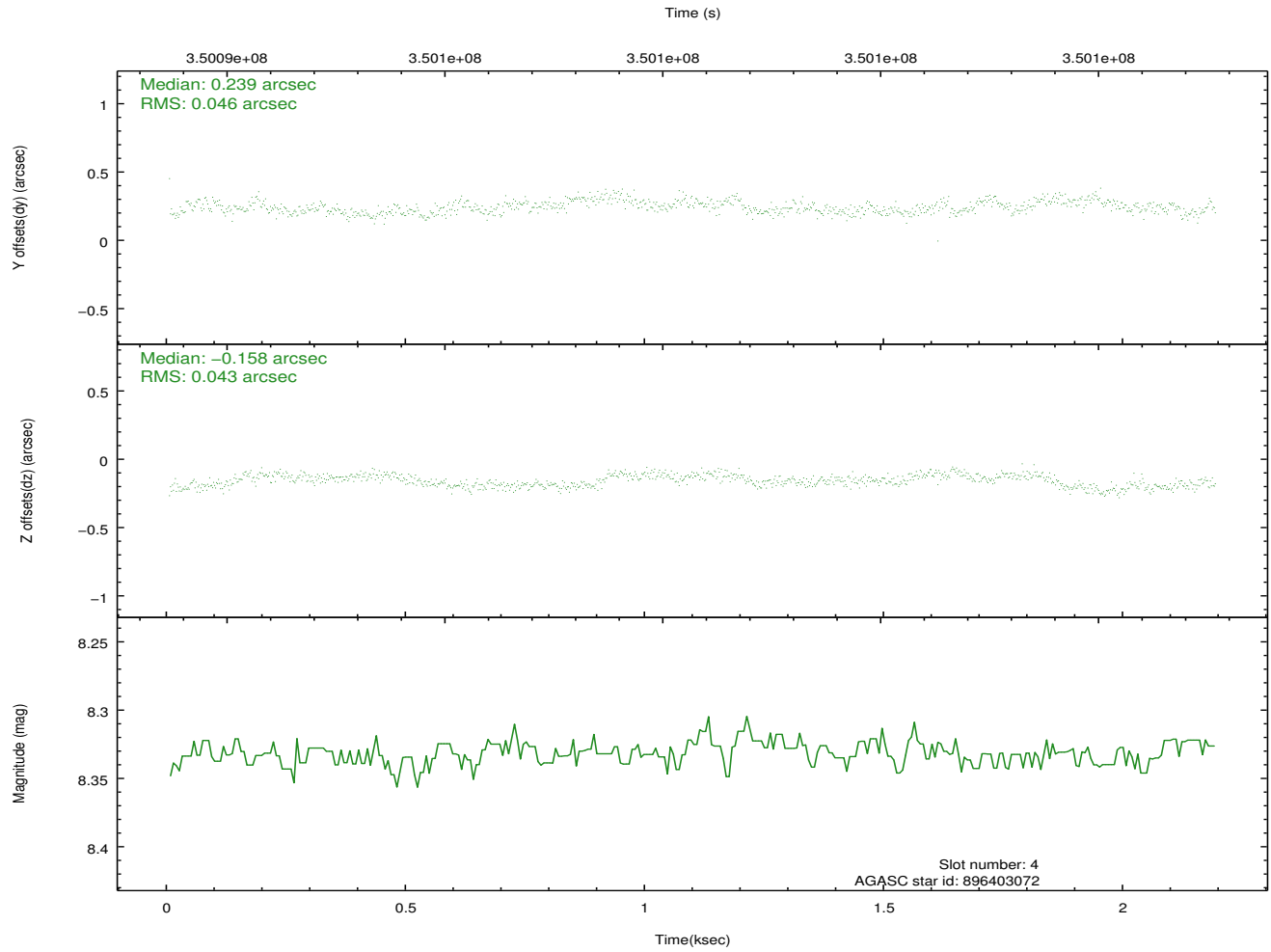
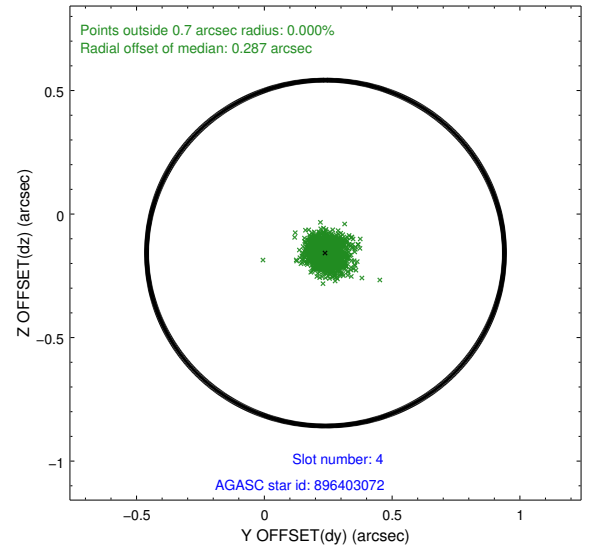
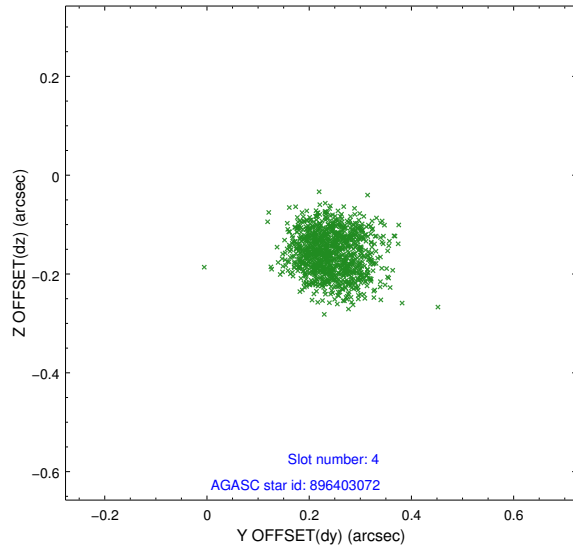
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	534	-0.013	-0.065	0.007	0.012	0.000000	0.000000	926.39	-839.92
1	FID	ACIS-I-4	6.93	534	0.146	0.075	0.007	0.012	0.000000	0.000000	2148.24	1058.53
2	FID	ACIS-I-5	6.99	534	-0.230	0.061	0.006	0.010	0.000000	0.000000	-1818.00	1059.75
3	GUIDE	896402712	8.04	1068	-0.318	-0.168	0.071	0.110	263.793333	-28.203661	519.63	1611.56
4	GUIDE	896403072	8.33	1068	0.239	-0.158	0.067	0.102	263.956439	-28.943077	-2154.84	1173.23
5	GUIDE	896405048	8.29	1068	-0.002	0.027	0.080	0.124	264.482575	-28.152230	636.09	-578.99
6	GUIDE	896405616	7.85	1068	0.158	0.069	0.066	0.112	264.752771	-28.412560	-328.04	-1403.60
7	GUIDE	896402976	7.44	1067	-0.085	0.221	0.073	0.110	265.099474	-28.923203	-2206.35	-2431.08

2.4 Star Slots

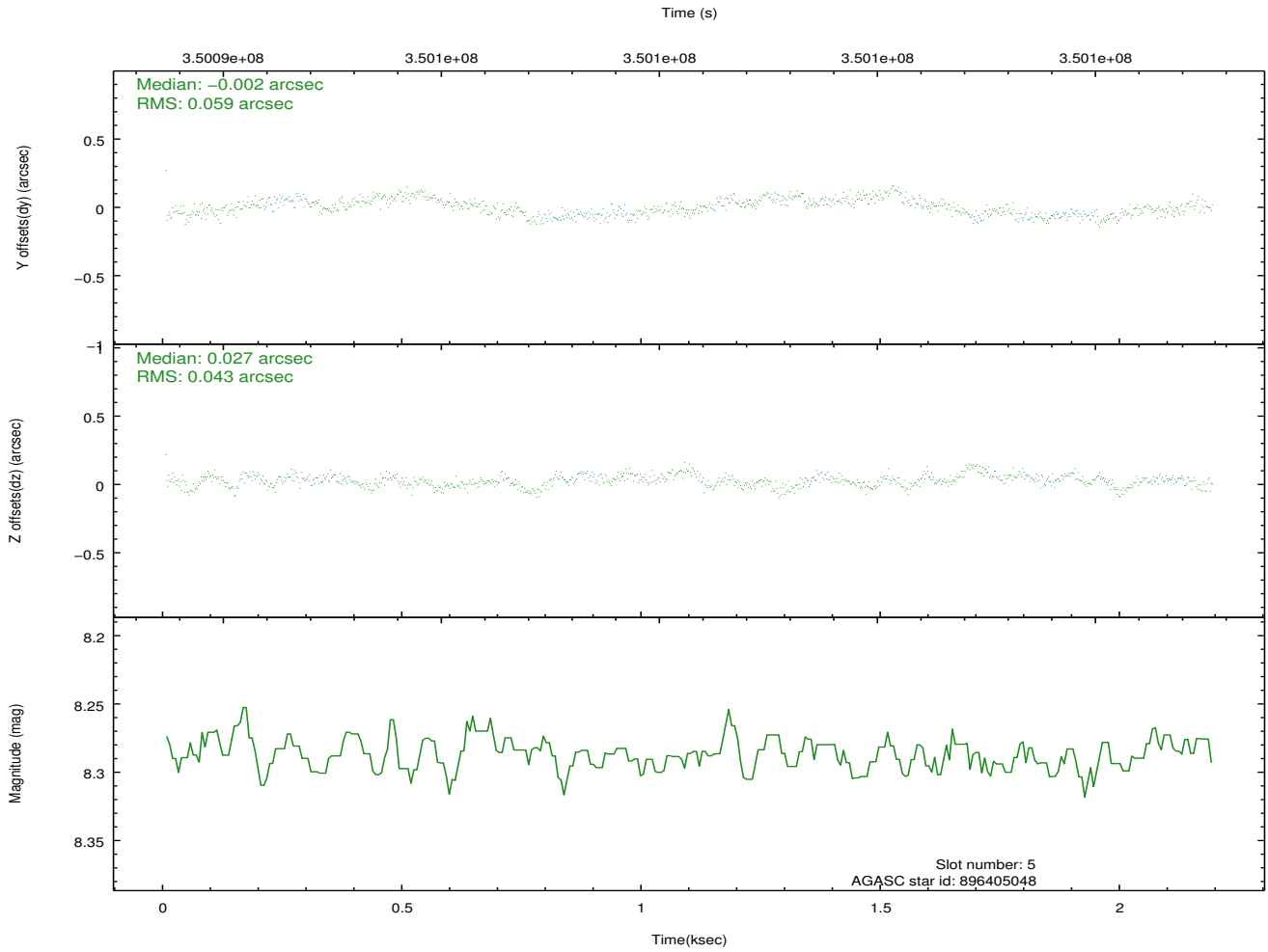
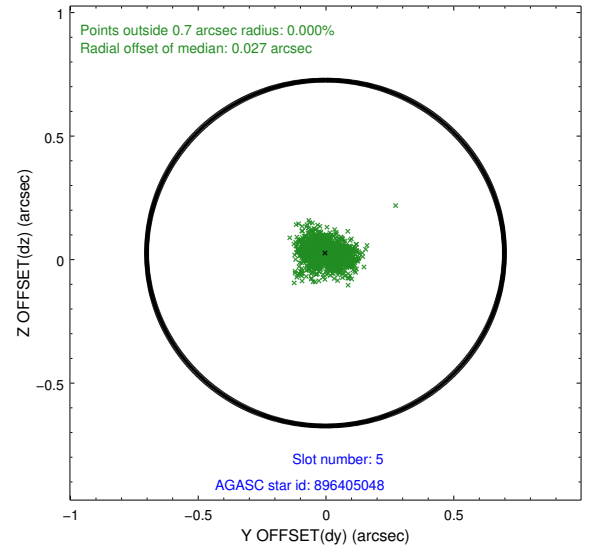
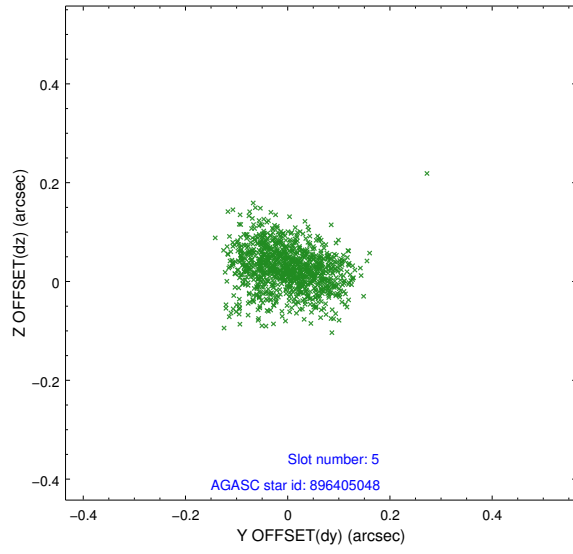
2.4.1 Slot 3



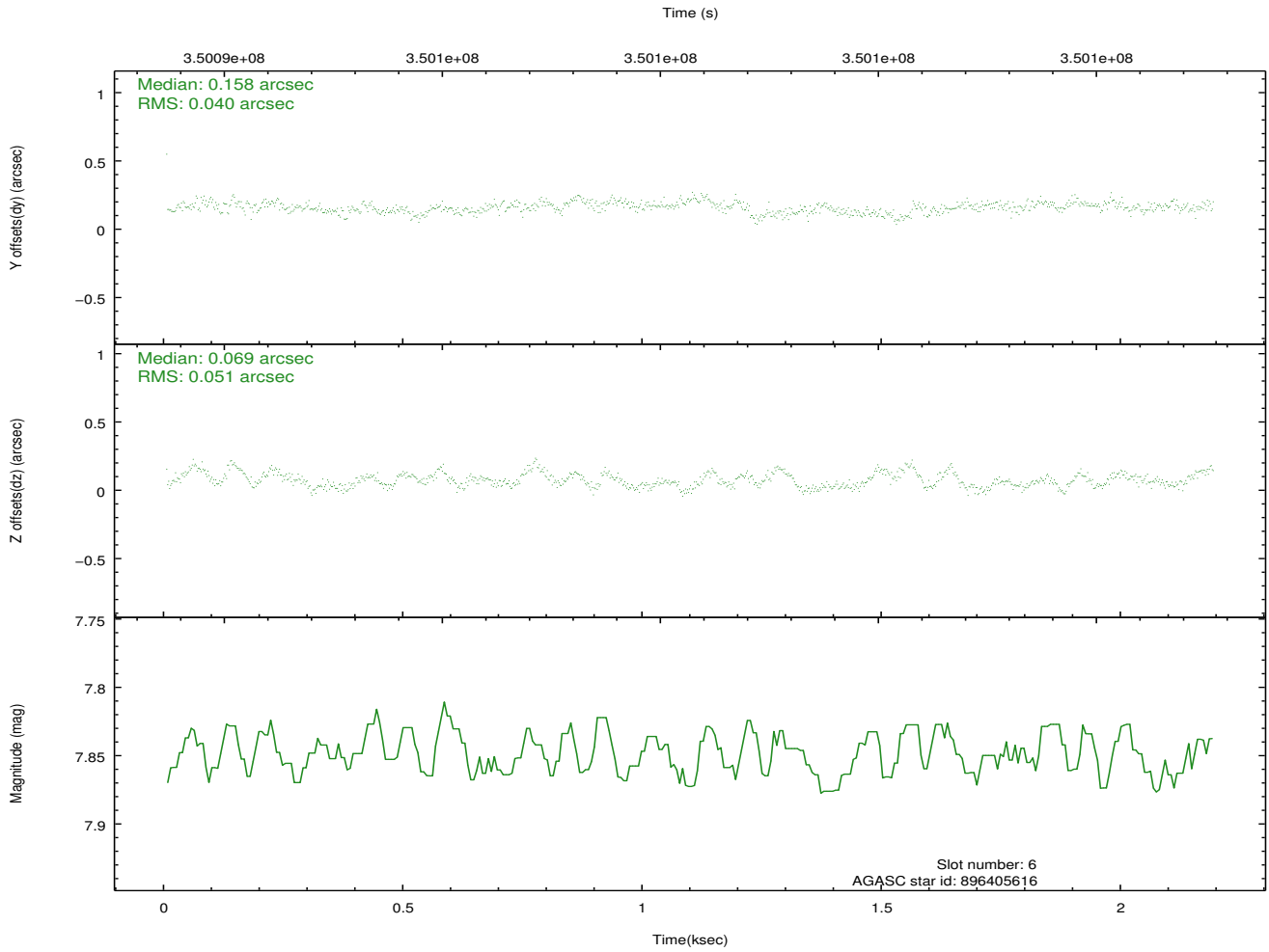
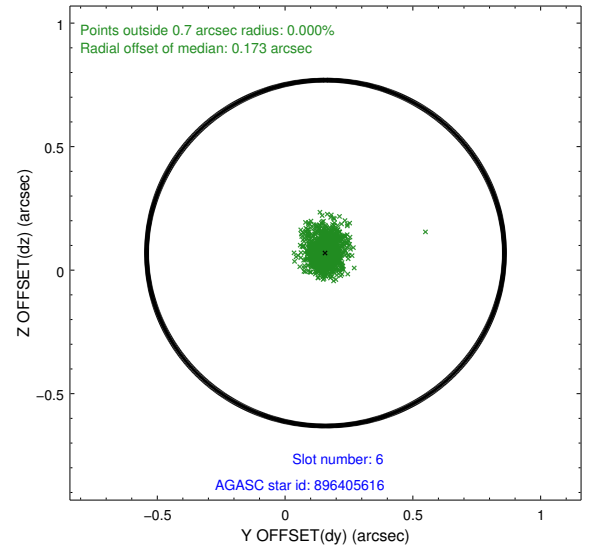
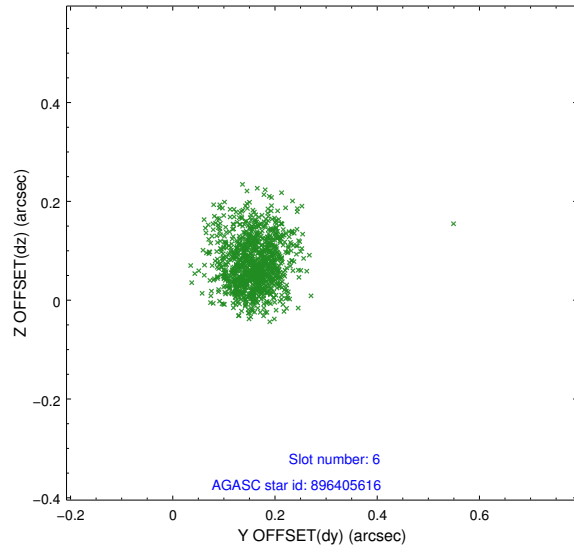
2.4.2 Slot 4



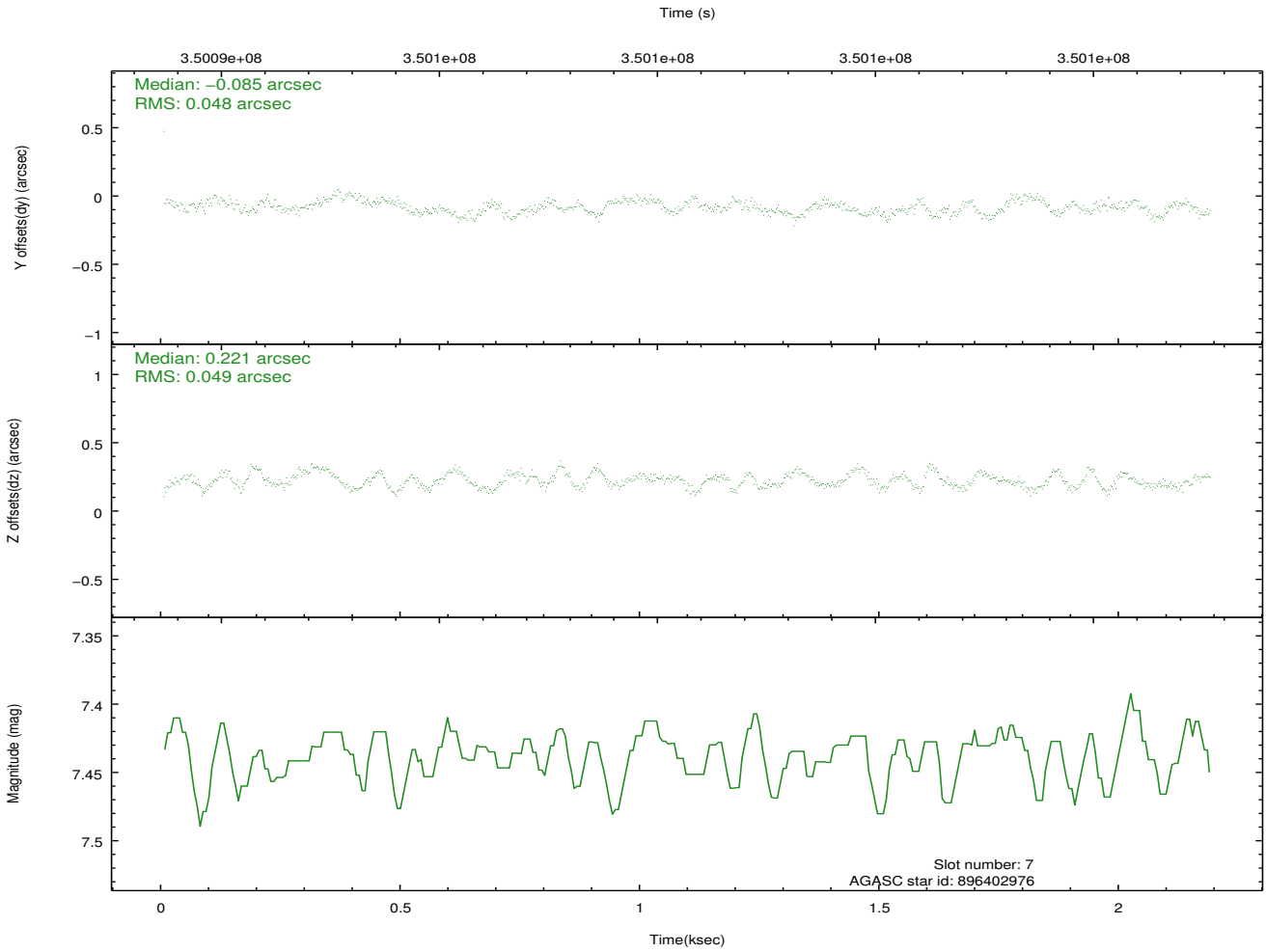
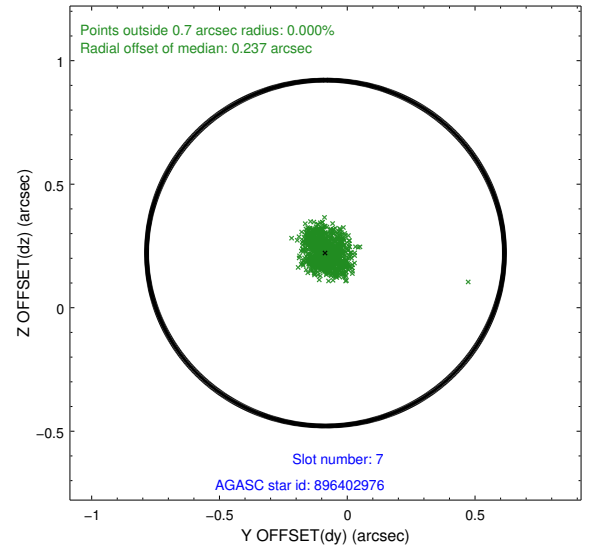
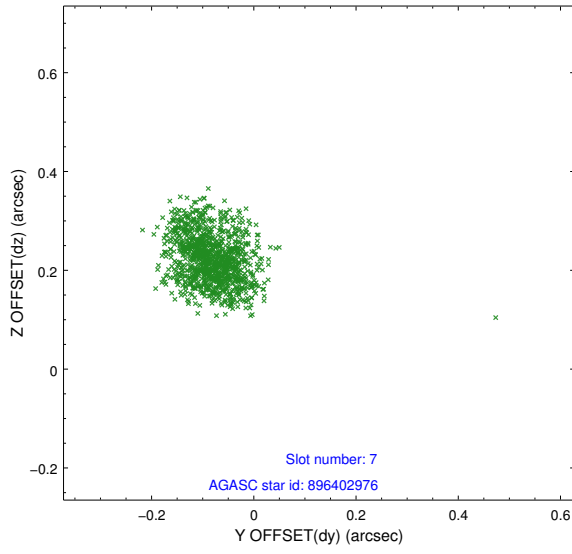
2.4.3 Slot 5



2.4.4 Slot 6

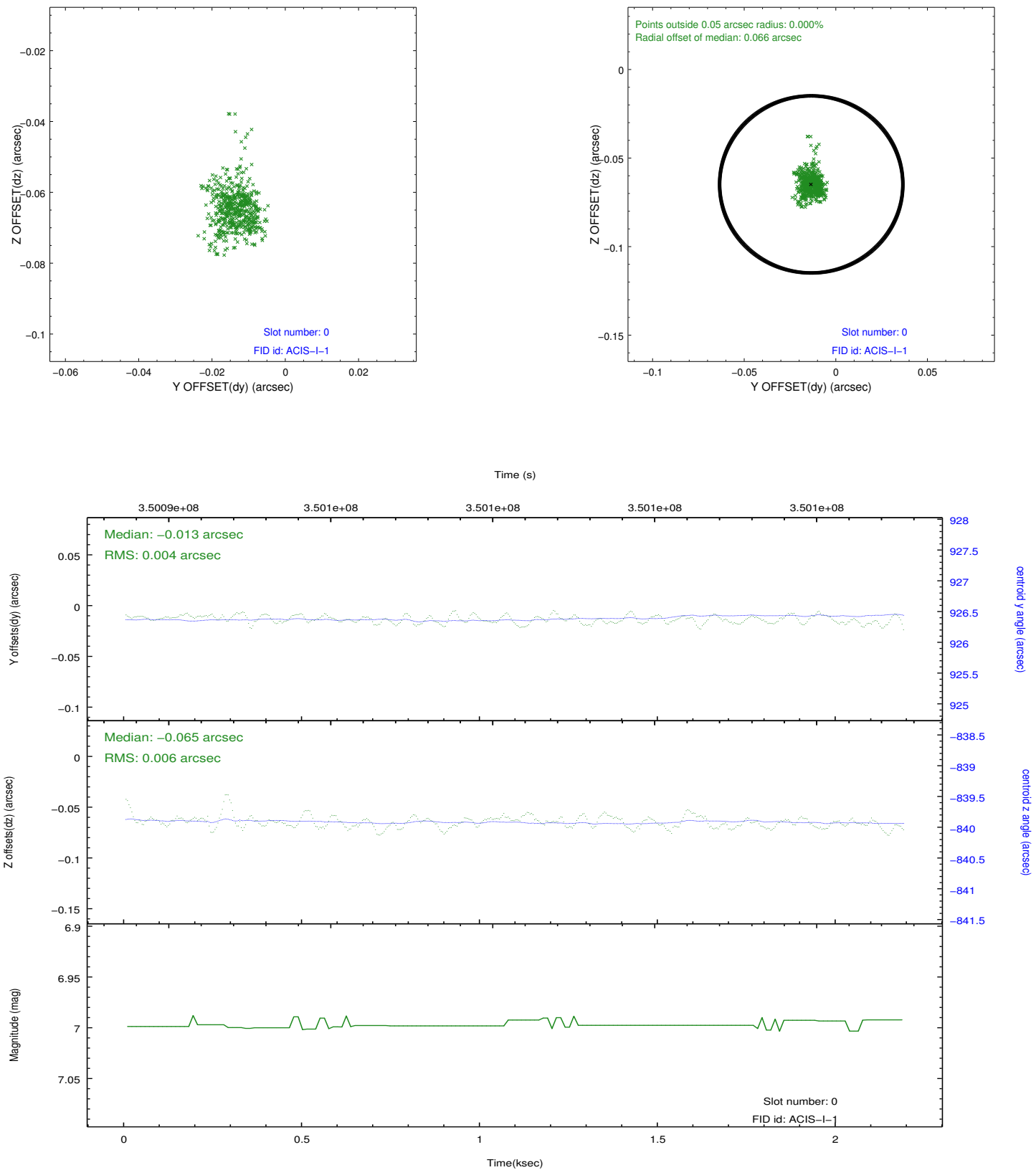


2.4.5 Slot 7

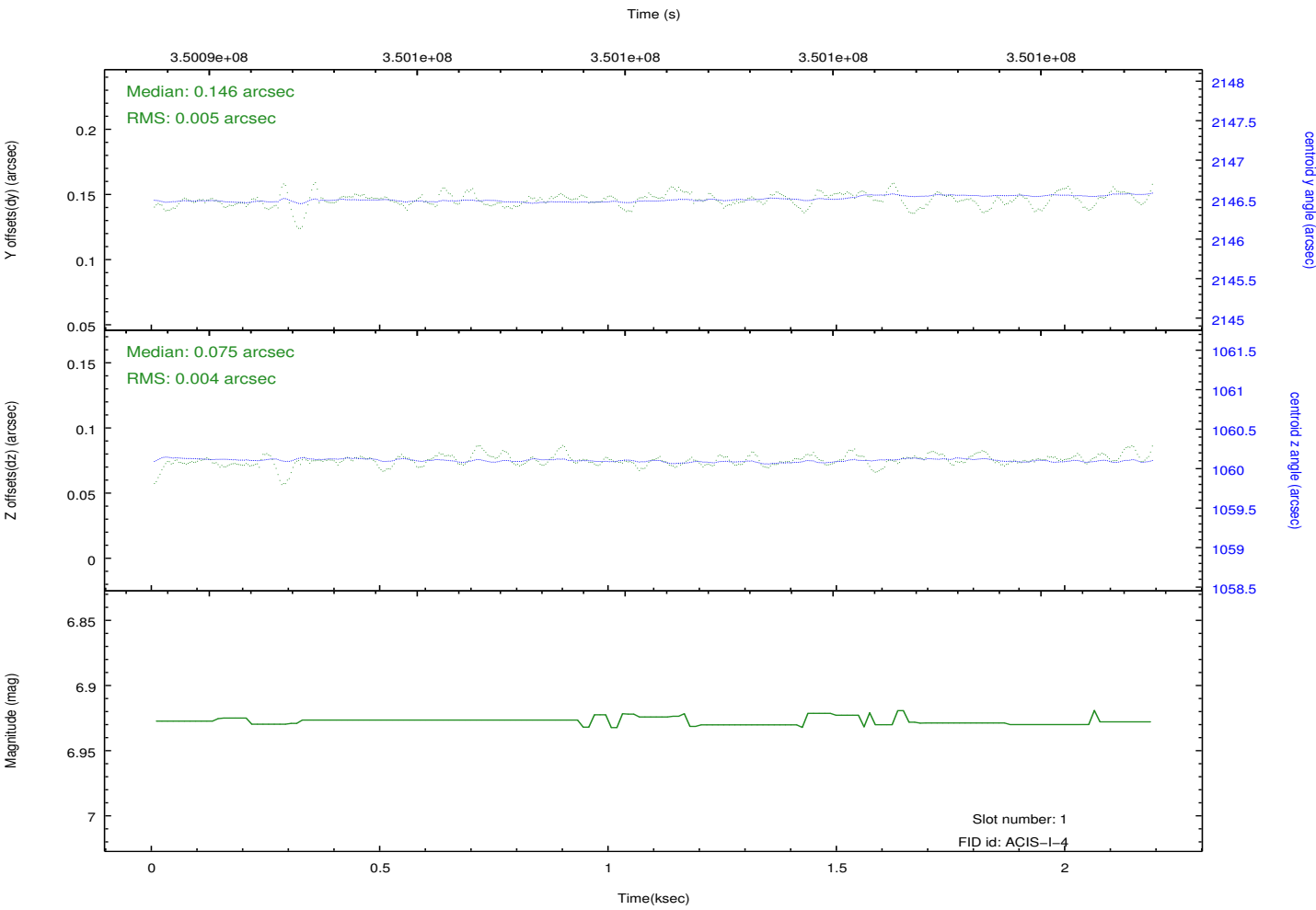
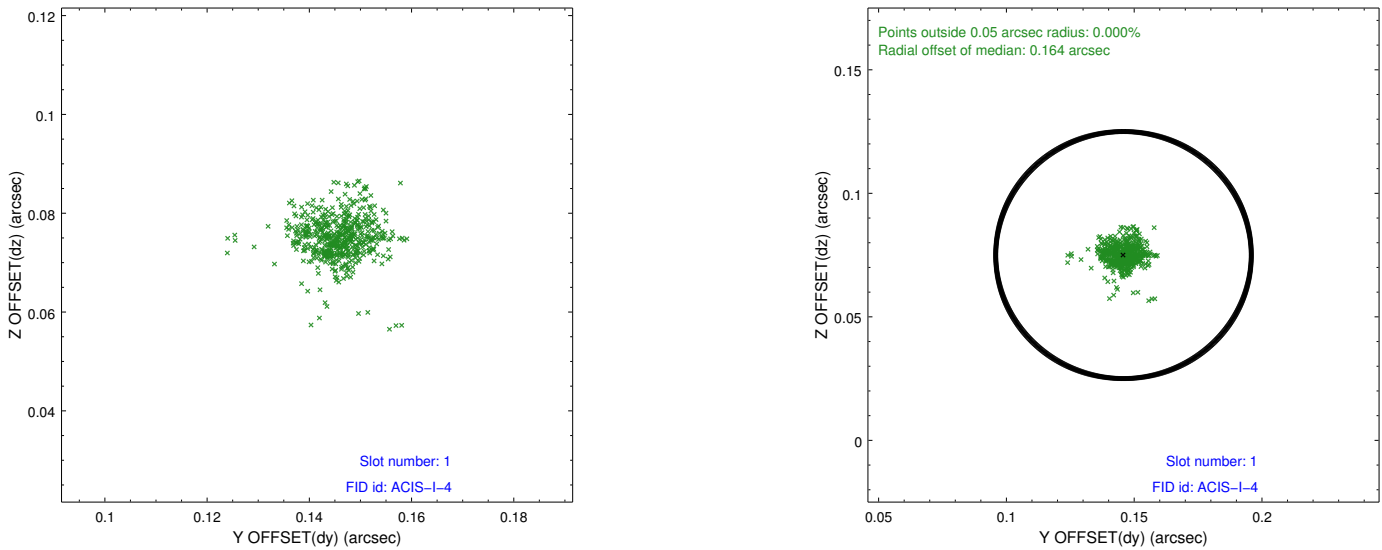


2.5 FID Slots

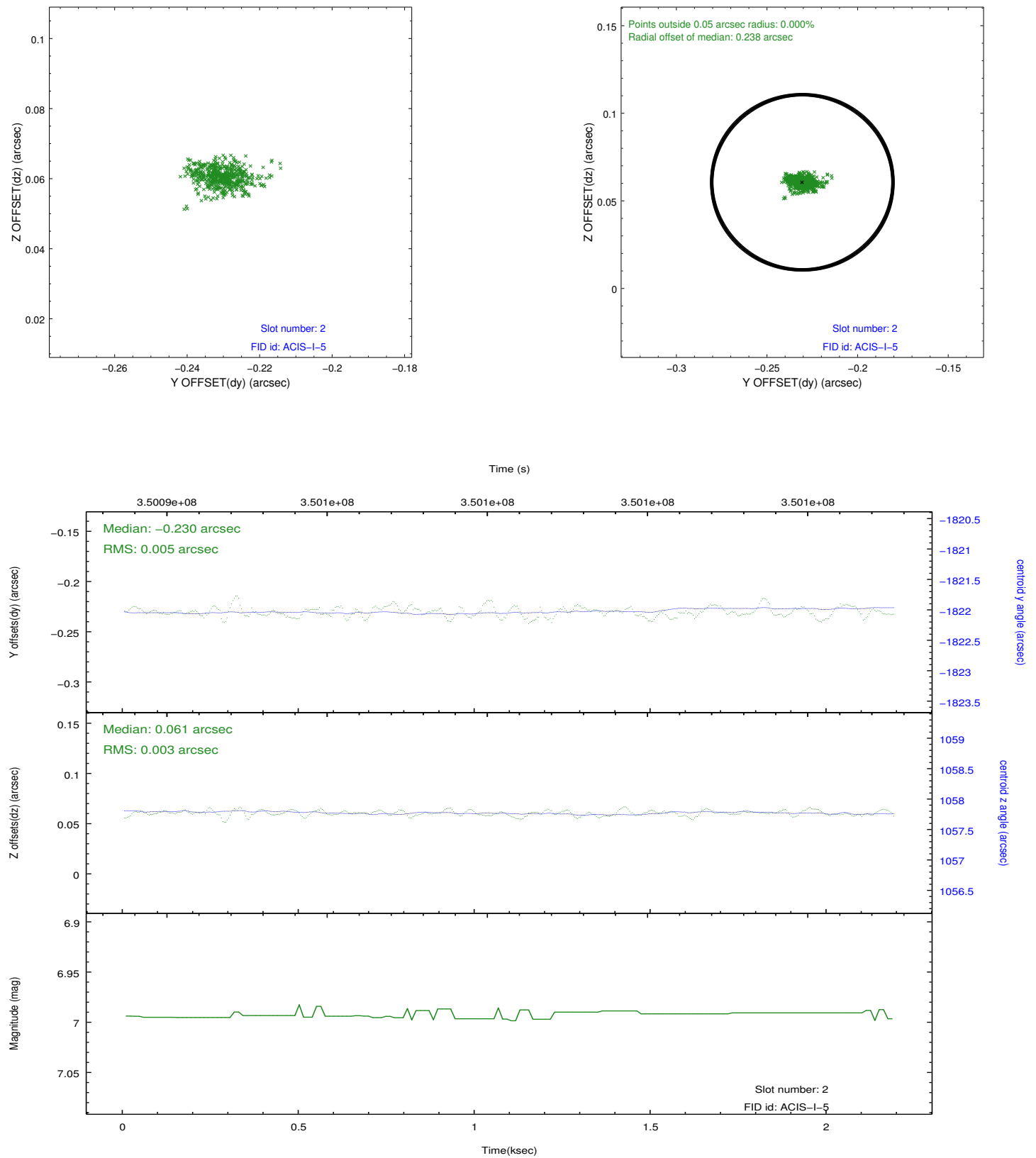
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint proposal with NOAO.